

**Bibliographic Information**

**Stable ketene dimer derivatives as sizes for paper.** Kondo, Junji; Ikeda, Yasushi; Moriwaki, Hisakazu. (Kao Corp, Japan). Jpn. Kokai Tokkyo Koho (1993), 9 pp. CODEN: JKXXAF JP 05195488 A2 19930803 Heisei. Patent written in Japanese. Application: JP 92-8395 19920121. CAN 120:57013 AN 1994:57013 CAPLUS (Copyright 2005 ACS on SciFinder (R))

**Patent Family Information**

<u>Patent No.</u>	<u>Kind</u>	<u>Date</u>	<u>Application No.</u>	<u>Date</u>
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**Abstract**

The title sizes are stabilized by protective colloids comprising cationic starch of colloid equiv 0.007-3.2 mequiv/g and anionic starch of colloid equiv -15.0 to -0.01 mequiv. A stable size compn. comprising 17% alkylketene dimer, 1.5% glycidyltrimethylammonium chloride-modified corn starch, and 1.5% ester of tapioca starch and alkenylsuccinic anhydride in aq. soln. had viscosity 55 cP and Zeta potential 2 mV.